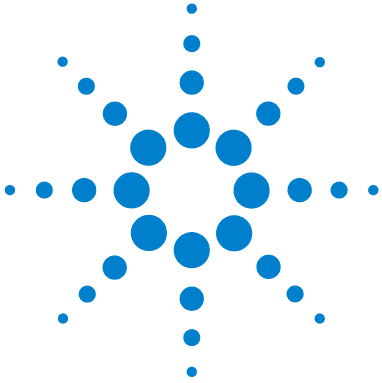

Windows XP Professional Configuration

for Agilent ChemStation Rev. B.01.01 or higher

Introduction 2

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Agilent Technologies

Introduction

Starting with Revision A.10.01 the Agilent ChemStation is supported on Windows XP Professional, Service Pack 1a. Agilent delivered ChemStation Bundle Systems have Windows XP Professional Service Pack 1a pre-installed and are configured for optimum ChemStation performance. If the system was not purchased as an Agilent ChemStation Bundle, these configuration changes need to be done manually to allow for successful operation.

NOTE This document is based on the initial set up of Agilent bundle PCs. The document describes some of the used parameters which might differ in comparison to various non-bundled PC systems.

Please follow the steps outlined in this document.

Steps to configure Windows XP SP1a correctly to run Agilent ChemStation Rev. B.01.01:

Installing Windows XP

NOTE Keep your PC disconnected from the Internet during the installation phase. It´s strongly recommended to install the latest security fixes as supported from Agilent and virus definitions before connecting to any network.

1. Install Windows XP from recovery CD or Windows XP Professional CD-ROM. During the setup of XP apply the Computer Name, Administrator password and network settings. At this time, either join an existing domain or set up the system in workgroup mode.
2. Check the Windows version by running “winver” command from Start/Run: If necessary, install Service Pack 1a for XP. Ignore the option to archive current files and reboot the system.
3. To secure your system against viruses, please install Norton AntiVirus on your system.

Configure Settings for Windows XP

Some changes within this document are mandatory for the ChemStation to work properly on your Windows XP system, some changes will have a performance impact while others will have only be graphical or minor impact.

NOTE To indicate the importance of the settings, each topic will be categorized as:

- MUST: these changes must be applied to the system
- PERFORMANCE: these changes will improve the system performance
- OPTIONAL: most of these changes will affect the graphical surface

[MUST] **1 Windows Logon Options: (For Workgroup Systems)**
Select the classic logon style and disable multi-session mode.

a Select “User Accounts” from the Control Panel

b Select “Change the way users log on or off”

- Disable “Use the Welcome Screen”
- Disable “Use Fast User Switching”

[OPTIONAL] **2 Recycle Bin Properties:** (right-click on desktop icon Recycle Bin)
Mark the following options (See Figure 1):

a “Use one setting for all drives.”

b “Display delete confirmation dialog”

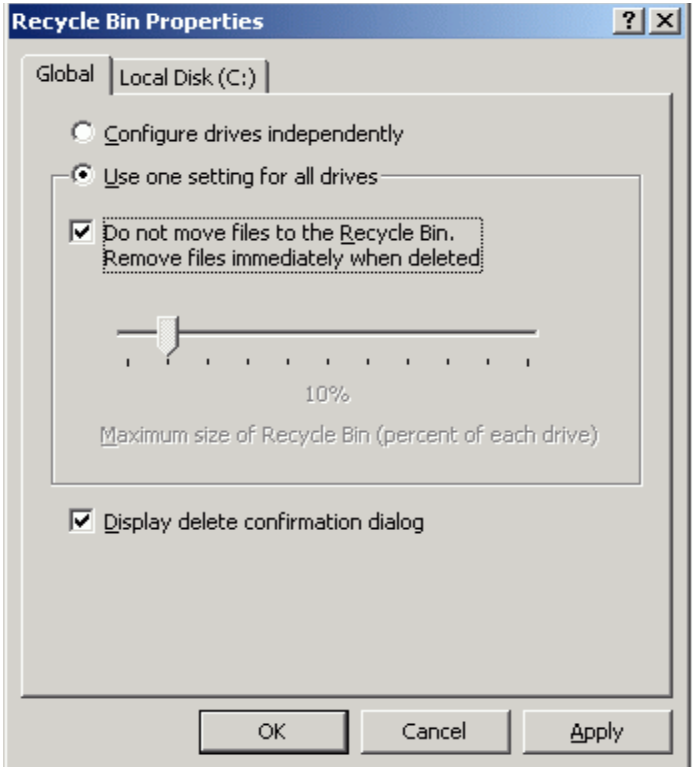

Figure 1 Recycle Bin Properties

[PERFORMANCE] 3 **Hard disk Properties:** (right-click Start/Explorer, right-click on C: drive)
Disable “Allow Indexing Service to index this disk for fast file searching”
Apply the changes and in the upcoming selection screen, choose the option “apply changes to C:\, and all subfolders”
Disable this setting for all non-removable drives. (See Figure 2)

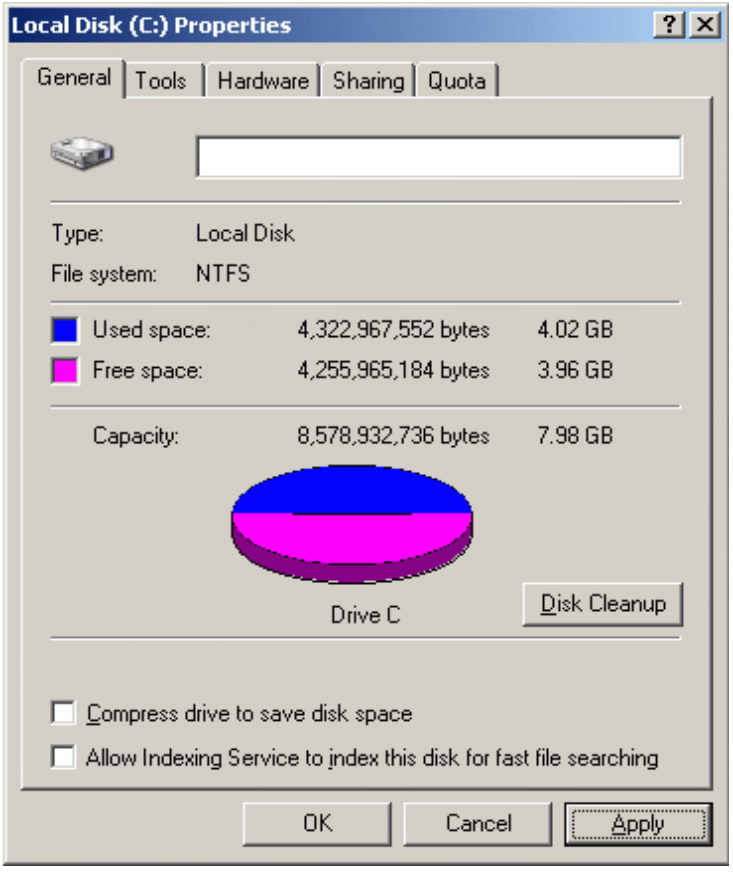

Figure 2 Harddisk Properities

[OPTIONAL] 4 **Screen layout:** (right-click desktop/arrange icons by)
Disable “Align to grid”

[PERFORMANCE] **5** **Screen layout**: (right-click desktop/Properties):
Please change the following items in the Display Properties
(See Figure 3):

a Themes Tab: Change “Windows XP” to “Windows Classic”

b Desktop Tab/”Customize Desktop” button:

- General Tab: Enable all 4 desktop icons (My Documents, My Computer; My Network Places,Internet Explorer)
- General Tab: Disable “Run Desktop Cleanup Wizard every 60 days”

c Apperance Tab/”Effects” button : disable all items, except

- Hide underlined letters for keyboard naviation.....

d Settings Tab: 1024 resolution, 32 bit color, 75 Hertz refresh (some older monitors might only work on 60 Hz)

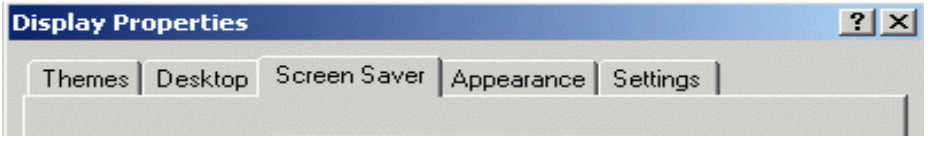

Figure 3 Tabs for Display Properities

e Screen Saver Tab: Change Screen saver from “Windows XP” to “none”

[MUST] **6** **Power Option:** (right-click Start/Settings/Control Panel) (See Figure 4)

a Change “Power Schemes” tab selection

- from “Home/Office Desk” to “Always On”
- Set all available drop down boxes under “Settings for Always on Power scheme “ to “Never”

b Hibernate Tab: disable ’Enable hibernation’

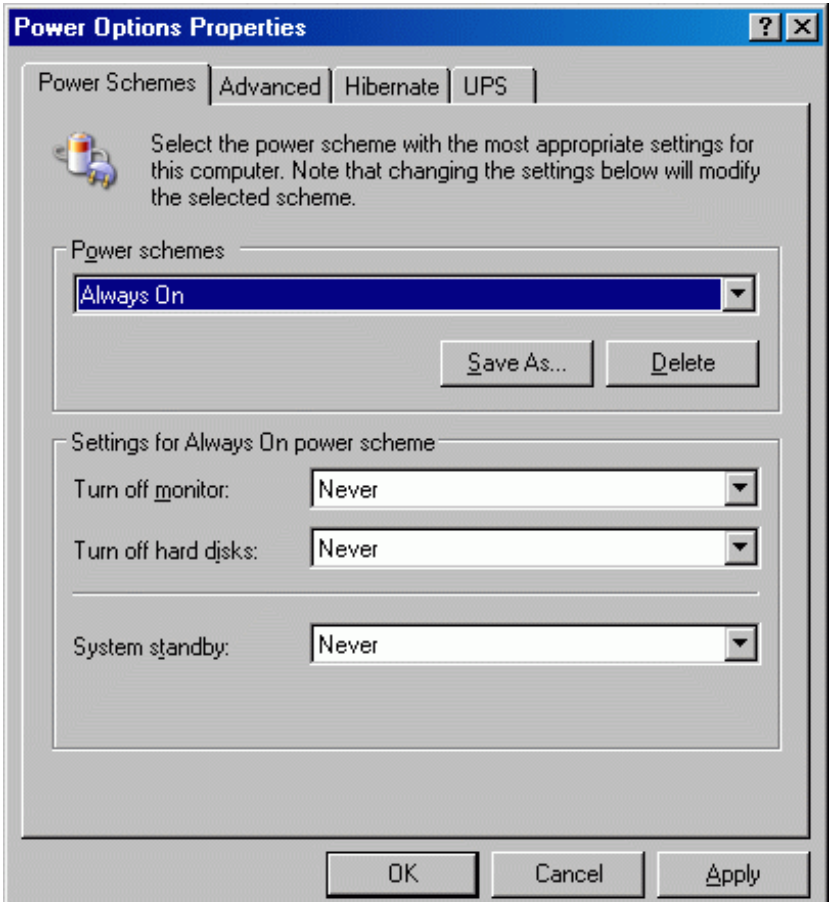

Figure 4 Power Settings in the Display Properities

[OPTIONAL] **7 General Layout:** (Start Menu, right-click/Properties)

a "Start Menu" Tab: Select "Classic Start Menu"

b Start Menu/"Customize" button: (See Figure 5)
Enable in "Advanced Start menu options" the following items

- Display Administrative Tools
- Display Favorites
- Display logoff
- Expand Control Panel
- Expand Network Connections
- Expand Printers
- Scroll Programs
- Show small icons
- verify that "use personalized menus" is disabled

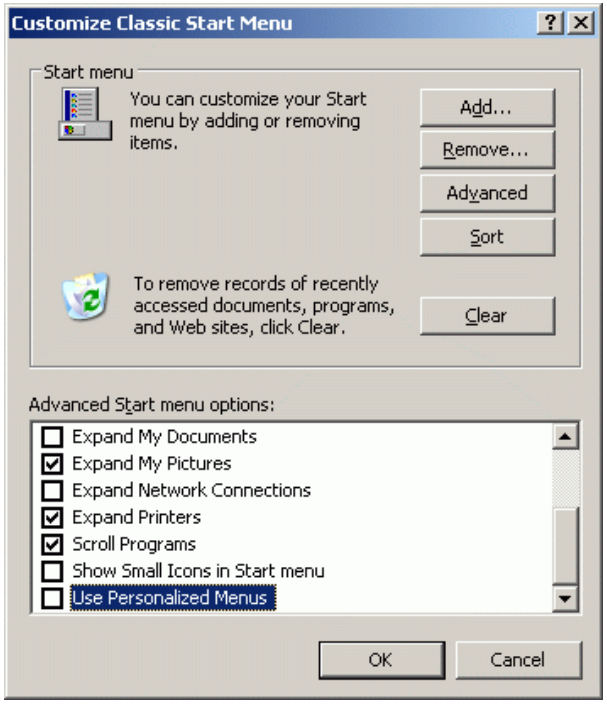

Figure 5 Customized layout settings

[MUST] **8** **Folder Options**: (right-click Start/Explore)
In the Security Settings tree open Local Policies, Security Options:

- Double-click Policy
  "Network Access: Sharing and security model for local accounts"
- Select "Classical - local users authenticate as themselves"

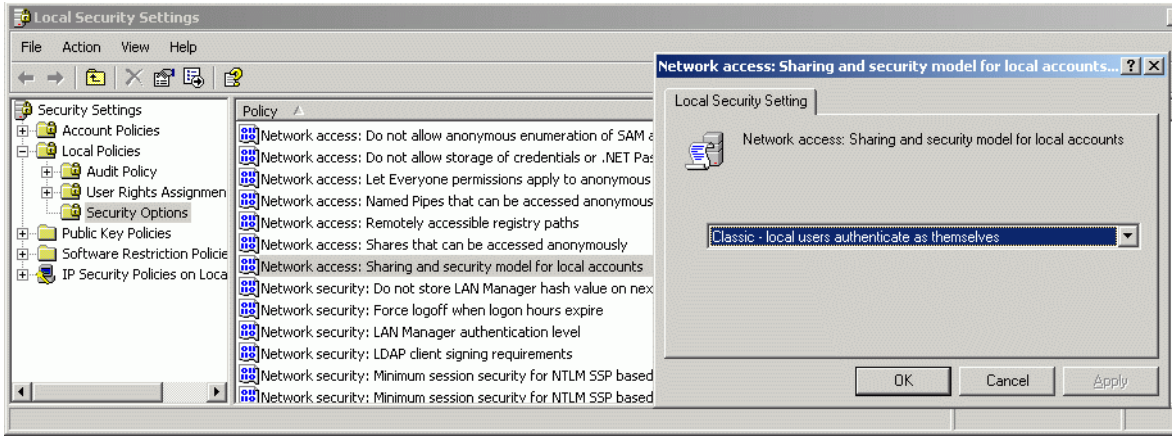
Local Security Settings
File Action View Help
Security Settings
Account Policies
Local Policies
Audit Policy
User Rights Assignmen
Security Options
Public Key Policies
Software Restriction Policie
IP Security Policies on Loca
Policy
Network access: Do not allow anonymous enumeration of SAM a
Network access: Do not allow storage of credentials or .NET Pas
Network access: Let Everyone permissions apply to anonymous
Network access: Named Pipes that can be accessed anonymous
Network access: Remotely accessible registry paths
Network access: Shares that can be accessed anonymously
Network access: Sharing and security model for local accounts
Network security: Do not store LAN Manager hash value on nex
Network security: Force logoff when logon hours expire
Network security: LAN Manager authentication level
Network security: LDAP client signing requirements
Network security: Minimum session security for NTLM SSP based
Network security: Minimum session security for NTLM SSP based
Network access: Sharing and security model for local accounts...
Local Security Setting
Network access: Sharing and security model for local accounts
Classic - local users authenticate as themselves
OK
Cancel
Apply

Figure 6 Local Security Settings

[MUST] **9** **Local Security Policy**:
(Start, Program, Administrativ Tools, Local Security Policy)

a Set “View” to “Details”

b Choose “Tools/Folder Options”

- “General” Tab: for Tasks select “use Windows Classic Folders”
- “View” Tab:
  - disable “use simple file sharing”
  - enable “display the full path in the title bar”
  - disable “hide extensions for known file types”
  - Apply these settings to all folders by selecting the “Apply to All Folders” button

[PERFORMANCE] **10 System Properties:** (Start/Settings/Control Panel/System)

a Advanced Tab/Performance/"Settings" button (See Figure 7):

- Visual Effects Tab: Set "Visual Effects" to "Adjust for best performance"
- Advanced Tab/Virtual Memory: if necessary use "Change" button to correct the page file settings to a fixed pagefile using an aquivilent amount of MB on d:\ according to the memory used in your system (as first file, before setting more page files if needed)

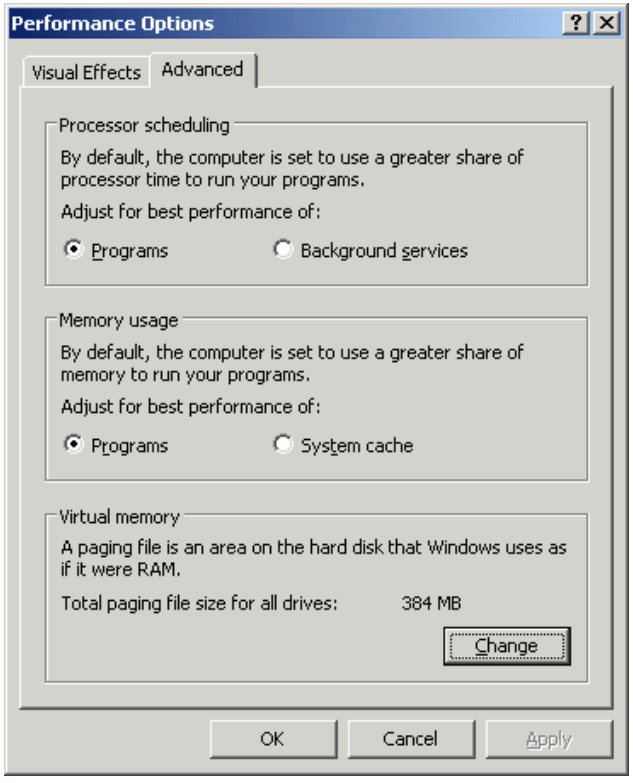
Performance Options
Visual Effects
Advanced
Processor scheduling
By default, the computer is set to use a greater share of processor time to run your programs.
Adjust for best performance of:
Programs
Background services
Memory usage
By default, the computer is set to use a greater share of memory to run your programs.
Adjust for best performance of:
Programs
System cache
Virtual memory
A paging file is an area on the hard disk that Windows uses as if it were RAM.
Total paging file size for all drives:
384 MB
Change
OK
Cancel
Apply

Figure 7 Performance options

b Advanced Tab/Startup and Recovery/"Settings" button (See Figure 8):

- System startup: Change both "Time to display..." fields from '30' to '3 or 5' sec., choose one option
- System failure: Disable the "small memory dump" to "none"

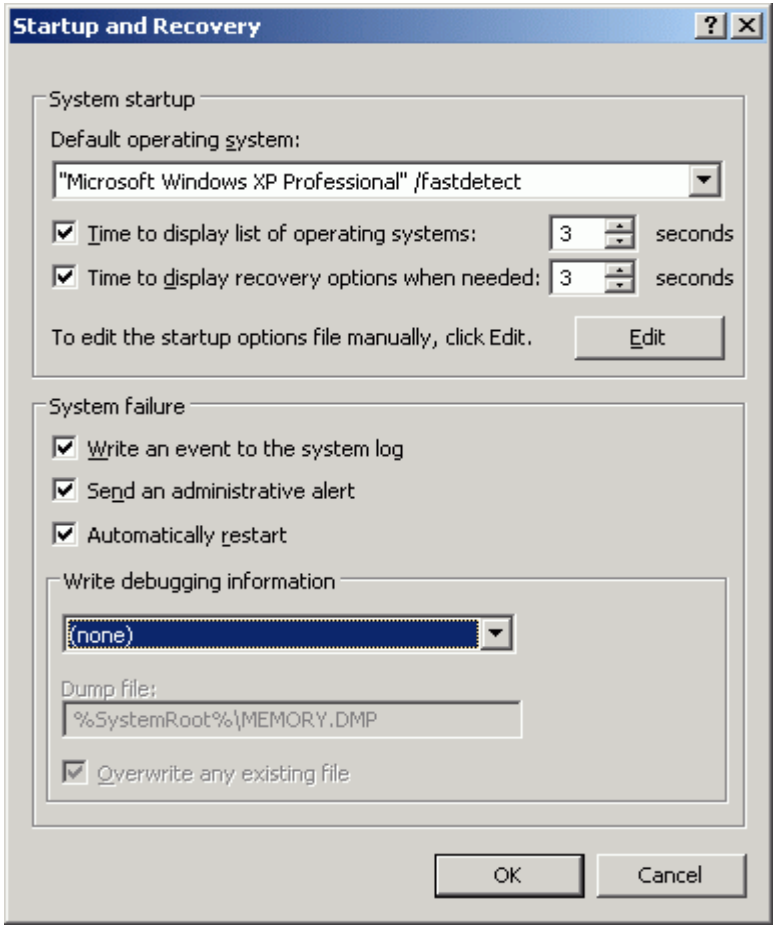

Figure 8 Startup and Recovery

c Advanced/"Error Reporting" button: Disable "Error reporting" and select "But notify me when critical error occur"

d “Remote” Tab: Disable “Remote Assistance” and “Remote Desktop” sections

[MUST] **e** “Automatic Updates” Tab: Disable “Keep my computer up do date.”

f “System Restore” Tab: Enable “Turn off System Restore on all drives” You will need to reboot the system after enabling this setting.

[MUST] **11 Internet Explorer:** (Start/Programs/Internet Explorer) (See Figure 9) Tools/Windows update: Apply all critical security patches

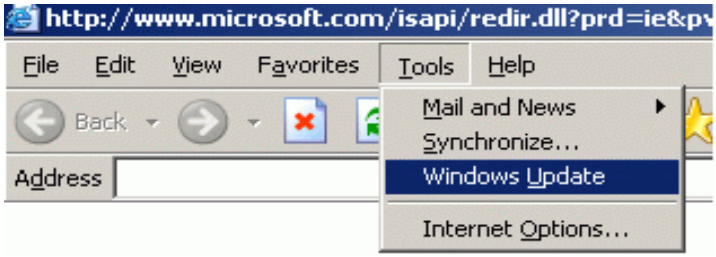

Figure 9 Defining Critical Security Updates

[MUST] **12 System Configuration:** (Start/Run) (See Figure 10)

Type “msconfig” to run the System Configuration Utilit.y
In the Startup tab disable “msmsgs” and reboot the system.
After rebooting the system it may show that the System Configuration Utility is still in Diagnostic or Start Up mode - resulting in a pop-up message being displayed when Windows starts.
If you observe this mark the option “Don’t show this message or launch the System Configuration Utility when Windows starts” and the message will not be shown again.

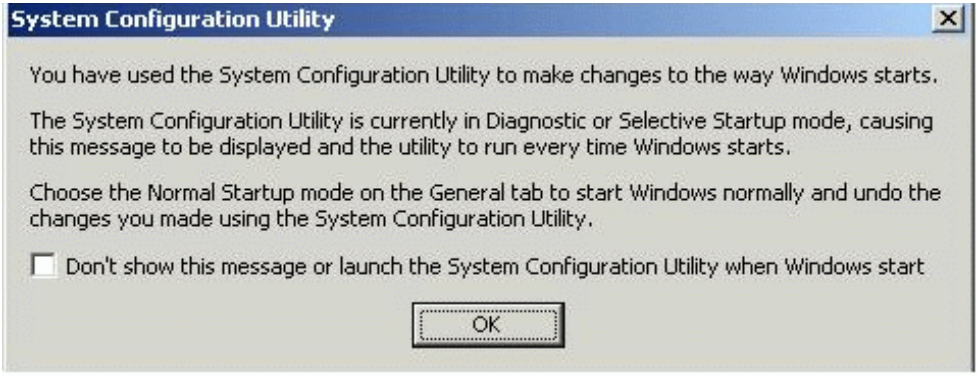
System Configuration Utility
You have used the System Configuration Utility to make changes to the way Windows starts.
The System Configuration Utility is currently in Diagnostic or Selective Startup mode, causing this message to be displayed and the utility to run every time Windows starts.
Choose the Normal Startup mode on the General tab to start Windows normally and undo the changes you made using the System Configuration Utility.
Don't show this message or launch the System Configuration Utility when Windows start
OK

Figure 10 Pop up screen for Diagnostic or Start Up mode

[MUST] **13 System Configuration:** (Start/Settings/Control Panel/Regional and Language Options) (See Figure 11)
It is recommended that the Regional options are set to English (US).

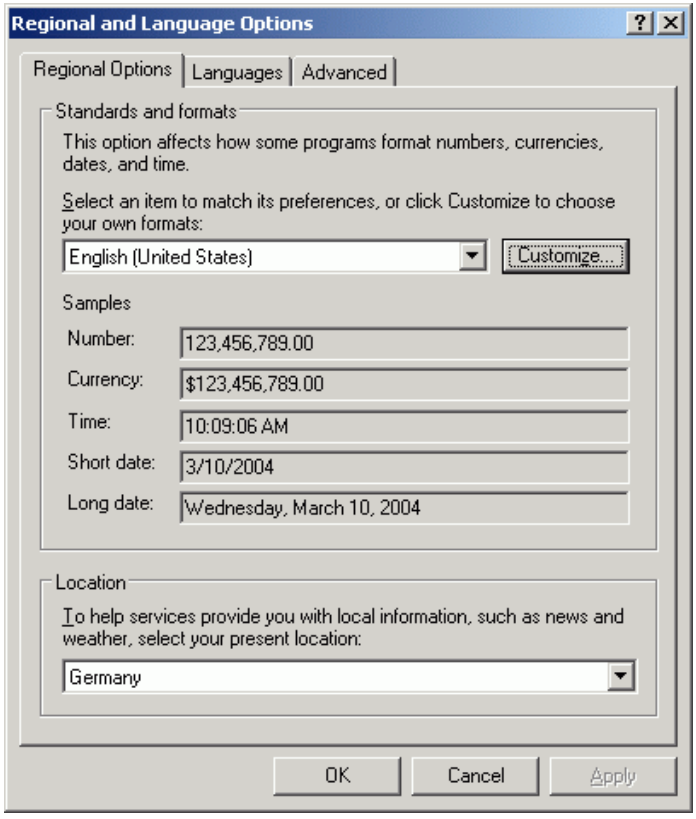

Figure 11 Regional and Language Options

If another location is used, the following settings are mandatory and can be set by clicking the “Customize” button (See Figure 12):

- Decimal symbol = . (point)
- Digit grouping symbol = , (comma)
- Decimal symbol =, (comma)

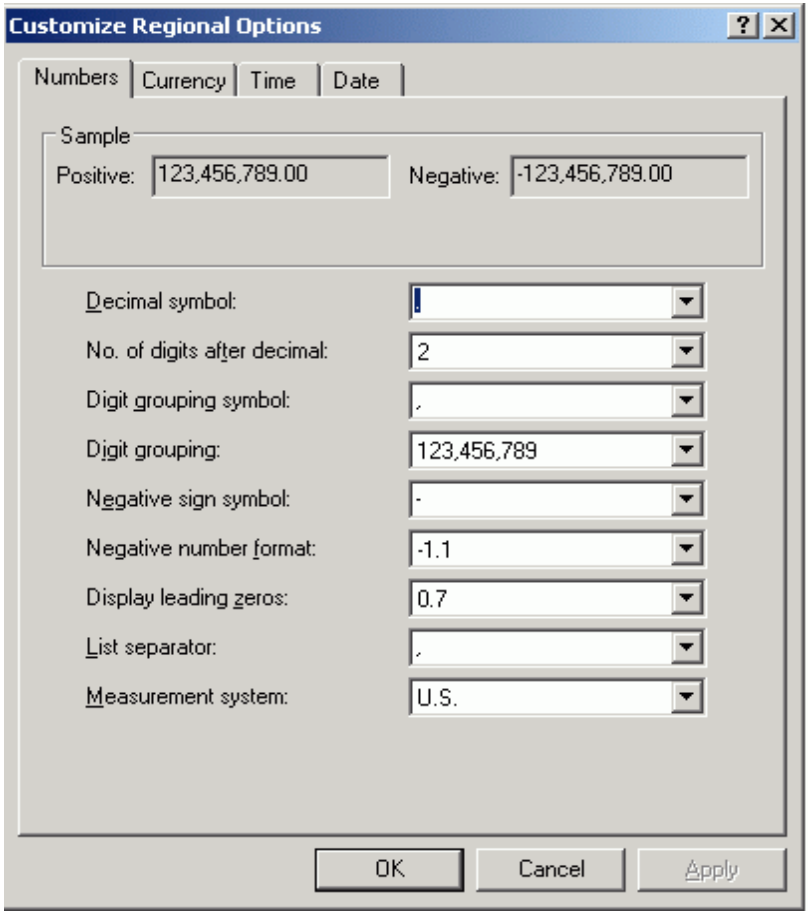

Figure 12 Customized Regional options

[MUST] **14** Register your Windows XP Professional at Microsoft.

Additional Modifications (To be set by the Administrator)

If the CAG BootP-Server is used to supply IP-Addresses for LAN-based instruments, the following changes need to be applied after the installation of the BootP Program:

1 C:\Program Files\Agilent\CAG Bootp Server\BootPtab:
Allow FULL CONTROL access for the Groups:
“Administrators, Power Users, Users”

2 If set, remove the Read Only attribute for the file
C:\Program Files\Agilent\CAG Bootp Server\BootPtab

NOTE Using the AGILENT BooTP Server Program no right issue is reported

Installing ChemStation (to be installed by an operating system Administrator)

Install the ChemStation Software to C:\Chem32 (logged on as “Administrator”) and reboot the system.

Profiles and Group Policies to run ChemStation as PowerUser / User (to be set by an local Administrator)

The ChemStation system needs to be installed by an operating system administrator. To run the system with the configured options outlined in this document, all Users and PowerUsers should use the same defined settings.

Some of the outlined settings can be addressed by using the Windows Group Policy or by copying user profiles in order to simplify the User/PowerUser set up. But some changes (e.g. performance settigs) can only be set manually using the Aministrator account..

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